

Sections Onboarding Event

Section Common Infrastructures

Online, 10.12.2025

Section Common Infrastructures Overview

Founded in 2021
> 220 members
from > 110 institutions

10+1 working groups
8 basic service proposals

Spokespersons:

- Sonja Schimmler and Michael Diepenbroek

Concept of the section (03/2025):

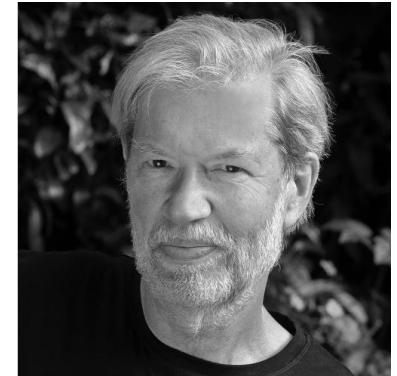
- <https://doi.org/10.5281/zenodo.15000220>

Concept of the working group overall architecture (04/2025):

- <https://doi.org/10.5281/zenodo.15210893>

More information regarding the sections:

- <https://www.nfdi.de/sections/?lang=en>

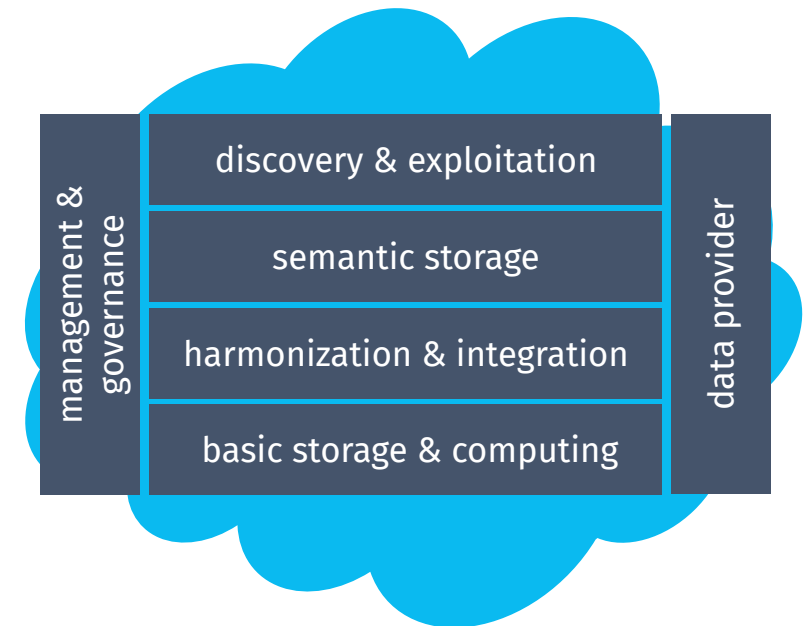
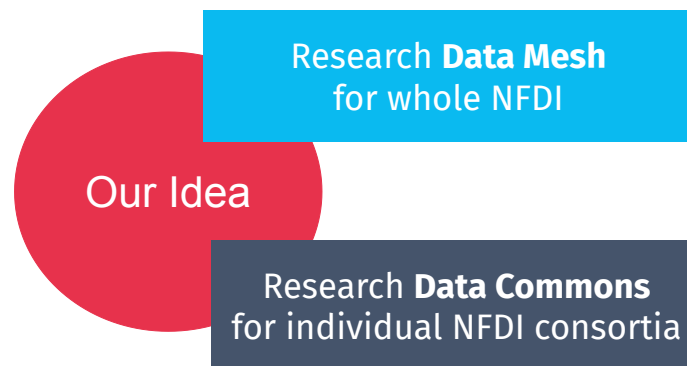


*“Identify, design and build
federated infrastructures
and software components.”*

Section Common Infrastructures

Overview

- Coordinate **federated infrastructures** and **software development** across NFDI consortia.
- Align **architectural concepts** of NFDI consortia.
- Establish a **Research Data Commons (RDC)**.
- Be home of **10+1 active working groups** on cross-cutting topics.
- Act as central hub for **basic service creation**.
- Build **sustainable technology partnerships**.
- Support NFDI as a **national EOSC node** and engaging with **external initiatives**.



Section Common Infrastructures

Overview

Structure

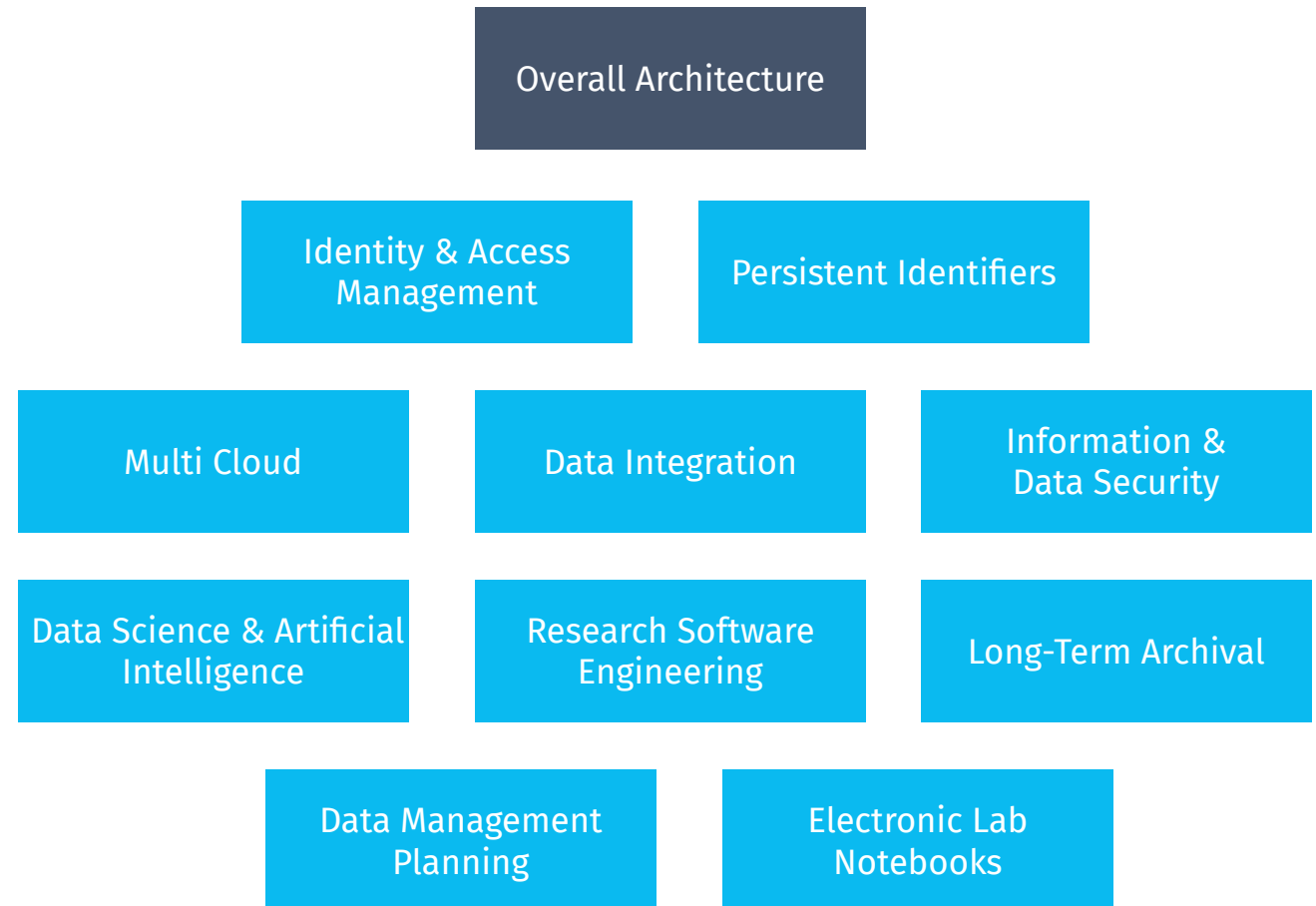
- 10+1 Working Groups

Role

- Support
- Concepts / papers
- Basic service(s)

Activities 2025 (highlights)

- Present results at CoRDI 2025
- Accompany DFG Storage Call
- Perform in-person workshop on Overall Architecture



Section Common Infrastructures

Base4NFDI - Basic Services for NFDI

The section is responsible for **six core basic services**:

- nfdi.architecture (funded - special project)
- IAM4NFDI, PID4NFDI, DMP4NFDI, Jupyter4NFDI (funded - integration phase)
- nfdi.software, Accounting4NFDI (funded – initialization phase)
- Preparation: MC4NFDI

The **role of the section**:

- Section Working Groups
 - Prepare basic service proposals
 - Accompany basic services
- Section
 - Present basic service proposals (decision)
 - Report on basic service progress after each (decision)

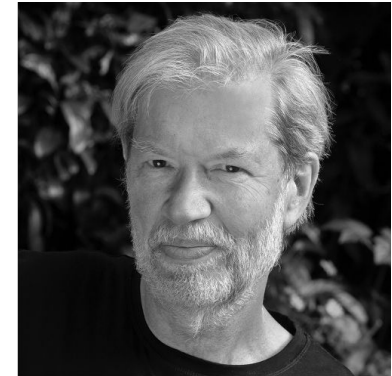


Section Common Infrastructures

Contact

Mailinglists:

- section-infra@lists.nfdi.de
- [section-infra-wg-\[xxx\]@lists.nfdi.de](mailto:section-infra-wg-[xxx]@lists.nfdi.de)



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Thank you everyone!

- Break-Out-Room 1: Section Industry Engagement
 - Presenting working groups: overview of all three working groups
- Break-Out-Room 2: Section ELSA
 - Presenting working groups: Ethics
- Break-Out-Room 3: Section Training & Education
 - Presenting working groups: Helpdesks, Materialsammlungen
- Break-Out-Room 4: Section (Meta)daten, Terminologien, Provenienz
 - Presenting working groups: Research Software Metadata, Knowledge Graphs
- Break-Out-Room 5: **Section Common Infrastructures**
 - Presenting working groups: RSE, DMP